

APPLICANT(S): PERETS, Yona et al.  
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### REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

### Status of Claims

Claims 12, 14, 16-19, and 21 are pending in the application.

Claim 20 has been objected to.

Claims 1-5, 7-10, 12-19, 21-29, and 31-37 have been rejected.

Claims 12, 17, 18, 19 have been amended. Applicants respectfully assert that the amendments to the claims add no new matter.

Claims 1-5, 7-10, 13, 15, 20, and 22-37 have been canceled without prejudice or disclaimer. In making this cancellation without prejudice, Applicants reserve all rights in these claims to file divisional and/or continuation patent applications.

### Allowable Subject Matter

In the Office Action, the Examiner stated that claim 20 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants have rewritten independent claim 12 to include all limitations of allowable claim 20, including the limitations of all claims from which claim 20 depends. Accordingly, claim 12, and claims 14, 16-19, and 21 are allowable.

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### **Claim Objections**

In the Office Action, the Examiner objected to claim 20 because of alleged informalities. Claim 20 has been amended in order to cure these informalities. Accordingly, Applicants request withdrawal of the objection.

### **CLAIM REJECTIONS**

#### **35 U.S.C. § 103 Rejections**

In the Office Action, the Examiner rejected claims 1-5, 7-10, 12, 13, 15-17, 19, 21-23, 26-29, 33, 34, 36 and 37 under 35 U.S.C. § 103(a), as being unpatentable over Ostman (US 20010046221 A1) in view of Guey (US 6754253 B2).

In addition, in the Office Action, the Examiner rejected claims 14, 24, 31 and 35 under 35 U.S.C. § 103(a), as being unpatentable over Ostman and Guey as applied to claims 12, 22, 28 and 33 above and further in view of Poor ("Probability of Error in MMSE Multiuser Detection", IEEE Trans. Information Theory, vol. IT-43, No. 3, pp. 858 871, May 1997).

In addition, in the Office Action, the Examiner rejected claim 18 under 35 U.S.C. § 103(a), as being unpatentable over Ostman and Guey as applied to claim 15 above and further in view of Reznik (US 6748013 B2).

In addition, in the Office Action, the Examiner rejected claims 25 and 32 under 35 U.S.C. § 103(a), as being unpatentable over Ostman and Guey as applied to claims 23 and 27 above and further in view of Tirola (US 20010017883 A1).

Applicants respectfully assert that these rejections are moot, insofar as the claims have been cancelled or amended in this response to Office action.

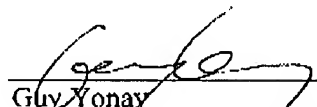
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In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 50-3355.

Respectfully submitted,

  
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